BRUHAT BENGALURU MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Venkatagiriyappa

Estimated Cost : Rs. 25.00 Lakhs

Job Code: 014-23-000008

Head of Account : P3726 Zonal Public Works

Name of Agency: Sri D.A Ravindra, No. 1265, HIG Mother Dairy Road, Near Karnataka Bank, Yelahanka New Town, Bengaluru - 560064.

Work Order: BBMP/EE/BTP/WO/138/2022-23 Dated: 03-03-2023.

	Date of Recording:	25-08-2023					
Sl No	**Description of work**	**Mesurement**				**Qty.**	**Unit**
		No.	**L**	**B**	**D**		
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						
	New Drain						Cum
	Venkatagiriyappa Layout						
	1st Cross Road	1	14.40	1.00	1.00	14.40	
		1	20.00	1.00	1.00	20.00	
	1st Main Road	1	26.10	1.00	1.00	26.10	
	7th Cross Road	1	30.00	1.00	1.00	30.00	
	E/S	1	14.10	1.00	1.00	14.10	
		1	30.00	1.00	1.00	30.00	
	W/S	1	13.90	1.00	1.00	13.90	
	Seethappa Layout 1st Cross						
	W/S	1	13.00	1.00	1.00	13.00	
		1	18.30	1.00	1.00	18.30	
	Seethappa Layout 1st Cross Opp Road W/S	1	25.00	1.00	1.00	25.00	
	Total	1	31.50	1.00	1.00	31.50	
						236.30	

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Date of Recording:	06-09-2023					
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						Cum
	New Drain						
	Venkatagiriyappa Layout						
	1st Cross Road	1	14.40	1.00	0.15	2.16	
		1	20.00	1.00	0.15	3.00	
	1st Main Road						
		1	26.10	1.00	0.15	3.92	
	7th Cross Road						
	E/S	1	30.00	1.00	0.15	4.50	
		1	14.10	1.00	0.15	2.12	
	W/S	1	30.00	1.00	0.15	4.50	
		1	13.90	1.00	0.15	2.09	
	Seethappa Layout 1st Cross						
	W/S	1	13.00	1.00	0.15	1.95	
		1	18.30	1.00	0.15	2.75	
	Opp Road W/S						
		1	25.00	1.00	0.15	3.75	
		1	31.50	1.00	0.15	4.73	
	Total Qty					35.45	

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Contractor

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Date of Recording:	26-09-2023					
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)						Cum
	New Drain						
	Raft						
	Venkatagiriyappa Layout						
	1st Cross Road	1	14.40	0.90	0.15	1.94	
		1	20.00	0.90	0.15	2.70	
	1st Main Road						
		1	26.10	0.90	0.15	3.52	
	7th Cross Road						
	E/S	1	30.00	0.90	0.15	4.05	
		1	14.10	0.90	0.15	1.90	
	W/S	1	30.00	0.90	0.15	4.05	
		1	13.90	0.90	0.15	1.87	
	Seethappa Layout 1st Cross						
	W/S	1	13.00	0.90	0.15	1.75	
		1	18.30	0.90	0.15	2.47	
	Opp Road W/S						
		1	25.00	0.90	0.15	3.37	
		1	31.50	0.90	0.15	4.25	
	Side Wall						
	Venkatagiriyappa Layout						
	1st Cross Road	2	14.40	0.15	0.60	2.59	
		2	20.00	0.15	0.58	3.48	
	1st Main Road						
		2	26.10	0.15	0.58	4.54	
	7th Cross Road						
	E/S	2	30.00	0.15	0.61	5.49	
		2	14.10	0.15	0.61	2.58	
	W/S	2	30.00	0.15	0.61	5.49	
		2	13.90	0.15	0.61	2.54	
	Seethappa Layout 1st Cross						
	W/S	2	13.00	0.15	0.60	2.34	
		2	18.30	0.15	0.60	3.29	
	Opp Road W/S						
		2	25.00	0.15	0.60	4.50	
		2	31.50	0.15	0.60	5.67	
	Total Qty					74.39	

Contractor

Assistant Engineer

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Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Date of Recording:	26-09-2023					
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification						Tonne
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	Venkatagiriyappa Layout 1st Cross						
	10 mm dia	145	2.10	304.50	0.62	188.79	
	8 mm dia	16	14.40	230.40	0.39	89.86	
	Total					**278.65**	
	10 mm dia	201	2.10	422.10	0.62	261.70	
	8 mm dia	16	20.00	320.00	0.39	124.80	
	Total					**386.50**	
	1st Main						
	10 mm dia	262	2.10	550.20	0.62	341.12	
	8 mm dia	16	26.10	417.60	0.39	162.86	
	Total					**503.99**	
	7th Cross						
	10 mm dia	442	2.10	928.20	0.62	575.48	
	8 mm dia	16	44.10	705.60	0.39	275.18	
	Total					**850.67**	
	10 mm dia	440	2.10	924.00	0.62	572.88	
	8 mm dia	16	43.90	702.40	0.39	273.94	
	Total					**846.82**	
	Seethappa Layout 1st Cross						
	10 mm dia	130	2.10	273.00	0.62	169.26	
	8 mm dia	16	13.00	208.00	0.39	81.12	
						250.38	
	10 mm dia	183	2.10	384.30	0.62	238.27	
	8 mm dia	16	18.20	291.20	0.39	113.57	
	Total					**351.83**	
	Opp Road W/S						
	10 mm dia	260	2.10	546.00	0.62	338.52	
	8 mm dia	18	25.00	450.00	0.39	175.50	
	Total					**514.02**	
	10 mm dia	316	2.10	663.60	0.62	411.43	
	8 mm dia	16	31.50	504.00	0.39	196.56	
	Total					**607.99**	
	RCC Drain Total					**4590.85**	Kgs
		Total Qty =				**4.59**	Tonne
		Qty Ltd to Tender Qty =				**4.46**	Tonne

Contractor

Assistant Engineer

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Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97